

## State of Maine Procurement Justification Form

This form must accompany all contract requests and sole source requisitions (RQS) over \$5,000 submitted to the Division of Procurement Services.

INSTRUCTIONS: Please provide the requested information in the white spaces below. All responses (except signatures) must be typed; no hand-written forms will be accepted. See the guidance document posted with this form on the Division of Procurement Services website (Forms page) for additional instructions.

### PART I: OVERVIEW

Department Office/Division/Program:		Department of Agriculture, Conservation and Forestry/Maine Geological Survey		
Department Contract Administrator or Grant Coordinator:		Denice M. Baron		
(If applicable) Department Reference #:				
Amount: (Contract/Amendment/Grant)	\$ 23,000.00	Advantage CT / RQS #:	20210506*3103	
CONTRACT	Proposed Start Date:	6/1/2021	Proposed End Date:	1/31/2022
AMENDMENT	Original Start Date:		Effective Date:	
	Previous End Date:		New End Date:	
GRANT	Project Start Date:		Grant Start Date:	
	Project End Date:		Grant End Date:	
Vendor/Provider/Grantee Name, City, State:		Chunzeng Wang 50 Lombard St., Presque Isle, Maine 04769		
Brief Description of Goods/Services/Grant:		Geologic Mapping		

### PART II: JUSTIFICATION FOR VENDOR SELECTION

Mark an "X" before the justification(s) that applies to this request. (Check all that apply.)

	A. Competitive Process		G. Grant
	B. Amendment		H. State Statute/Agency Directed
X	C. Single Source/Unique Vendor		I. Federal Agency Directed
	D. Proprietary/Copyright/Patents		J. Willing and Qualified
	E. Emergency		K. Client Choice
	F. University Cooperative Project		L. Other Authorization

### PART III: SUPPLEMENTAL INFORMATION

Please respond to ALL of the following:

**1. Provide a more detailed description and explain the need for the goods, services or grant to supplement the response in Part I.**

A contract geologist is needed for the Maine Geological Survey (MGS) to fulfill its obligation under the US Geological Survey's STATEMAP program to provide bedrock geologic maps of portions of northern Maine by May 2022. This contract covers necessary bedrock geologic mapping in the Big Machias Lake quadrangle, northern Maine. While the MGS has the staff and facilities to compile geologic information, it does not have a sufficient in-house workforce to complete the necessary field mapping for this project in the time required.

Geologic mapping is a statutory responsibility of the Maine Geological Survey (Title 12, Chap. 201-A). Bedrock mapping is

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### PART III: SUPPLEMENTAL INFORMATION

essential to the mission of the MGS to provide quality natural resources information for the people of Maine. Through a Geologic Mapping Advisory Committee consisting of state agency, federal agency, university, and private sector users of geologic maps, the Maine Geological Survey has established priorities for geologic mapping and a timetable for completing geologic maps, including this essential mapping task. This project falls within the priorities and timetable. In our competitive proposal to the USGS's STATEMAP program, we named qualified geologists to work on this project and their qualifications were a large factor in determining the award of federal funds.

#### 2. Provide a brief justification for the selected vendor to supplement the response in Part II.

This contract is funded entirely by money provided to the Maine Geological Survey by the National Cooperative Geologic Mapping Program, administered by the U.S. Geological Survey, to support a technical project. This is a competitive program to which each state may submit one proposal each year in November. Maine's proposals have been among the most competitive partly because we are able to identify highly qualified field mappers directly in the proposal.

The work requires a specialist in the stratigraphic mapping and structural interpretation of complexly deformed metamorphic and igneous rocks. Dr. Wang has spent many years mapping the geology of the metamorphic and volcanic rocks in Maine and is the top geologic expert on the geology of this area. His experience in the region includes his Ph.D. (2001) research project on similar metamorphic and volcanic rocks while a student at Queens College. He has extensive experience mapping volcanic rocks in other areas of Maine and in China. He has published extensively on the geology of Maine.

#### 3. Explain how the negotiated costs or rates are fair and reasonable; or how the funding was allocated to grantee.

The rate the Maine Geological Survey pays contract geologists has increased from \$1,000/wk to \$1,500/wk, the former having been the rate since 2004. A Physical Geologist at the Maine Geological Survey with similar responsibilities costs \$2,016/week, fully burdened. Thus, the contract rate is below market value for these types of geological services.

#### 4. Describe the plan for future competition for the goods or services.

The Maine Geological Survey continues to work with the University of Maine and other institutions to train more students to investigate and compile geologic maps. We are working with a small pool of capable geologists well in advance of project needs to ascertain their availability for various map development tasks.

### PART IV: APPROVALS

<b>Signature of requesting Department's Commissioner (or designee):</b>	<i>By signing below, I signify that I approve of this procurement request.</i>		
	<small>DocuSigned by:</small>		
	<i>Amanda E. Beal</i>		
<b>Printed Name:</b>	Amanda E. Beal	<b>Date:</b>	5/10/2021
	<small>DocuSigned by:</small>		
	<i>Kathy Paquette</i>		
<b>Printed Name:</b>	Kathy Paquette	<b>Date:</b>	5/13/2021